Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented): A circuit, comprising
a first electrically conductive element;
a second electrically conductive element; and
a nanotube ribbon disposed between the first and second electrically conductive elements, wherein the nanotube ribbon is movable toward at least one of the first and second electrically conductive elements in response to electrical stimulus applied to at least one of the first and second electrically conductive elements and the nanotube ribbon;
wherein one of the first and second electrically conductive elements comprises an insulative layer on a surface facing the nanotube ribbon.

2. (Previously Presented): The circuit of claim 1, wherein the first and second electrically conductive elements comprise doped silicon traces.

3. (Original): The circuit of claim 1, wherein the nanotube ribbon is of a non-woven fabric of nanotubes.

4. (Original): The circuit element of claim 1, wherein the nanotube ribbon is substantially a monolayer of nanotubes.

5. (Previously Presented): A circuit array, comprising
a first structure having a plurality of electrically conductive elements and a plurality of support structures;
a second structure having a plurality of electrically conductive elements and a plurality of support structures; and

a plurality of nanotube ribbons disposed between the first and second structures, each nanotube ribbon crossing in spaced relation the corresponding electrically conductive elements of the first and second structures and thereby defining a corresponding circuit cell, and wherein a nanotube ribbon is movable within a circuit cell in response to electrical stimulus applied to at least one of the electrically conductive elements and the nanotube ribbons; and

wherein the electrically conductive elements of at least one of the first and second structures comprise an insulative layer on a surface facing a corresponding nanotube ribbon.

6. (Original): The circuit array of claim 5 wherein the first support structure is vertically aligned with the second support structure.

7. (Currently Amended): The circuit array of claim ~~7~~ 5 wherein the electrically conductive elements of the first structure are vertically aligned with the electrically conductive elements of the second structure.

8. (Original): The circuit array of claim 5 wherein the first support structure is vertically unaligned with the second support structure.

9. (Original): The circuit array of claim 5 wherein the electrically conductive elements of the first structure are disposed between corresponding support structures of the first structure and wherein the electrically conductive elements of the second structure have at least a portion of their widths disposed over support structures of the second structure and at least a different portion of their widths protruding past the support structures of the second structure.

10. (Previously Presented): The circuit array of claim 5, wherein the support structures of the second structure comprise an insulating material.

11. (Previously Presented): The circuit array of claim 5, wherein the support structures of the first structure comprise an insulating material.

12. (Previously Presented): The circuit array of claim 5 wherein the second structure comprises a gate dielectric layer.

13. (Previously Presented): The circuit array of claim 5 wherein the first structure comprises a gate dielectric layer.

14. (Previously Presented): The circuit array of claim 5 wherein the support structures of at least one of the first structure and the second structure comprise spin-on glass.

15. (Previously Presented): The circuit array of claim 5 wherein the support structures of at least one of the first structure and the second structure comprise silicon nitride.

16. (Previously Presented): The circuit array of claim 5 wherein the support structures of at least one of the first structure and the second structure polyimide.

17. (Previously Presented): A circuit, comprising

a first electrically conductive element;

a second electrically conductive element; and

an electromechanically responsive element disposed between the first and second electrically conductive elements, wherein the electromechanically responsive element is movable toward at least one of the first and second electrically conductive elements in response to electrical stimulus applied to at least one of the first and second electrically conductive elements and the electromechanically responsive element; and

wherein one of the first and second electrically conductive elements comprises an insulative layer on a surface facing the electromechanically responsive element.

18. (Previously Presented): The circuit of claim 17 wherein the electromechanically responsive element comprises a nanotube.

19. (Previously Presented): The circuit of claim 17 wherein the electromechanically responsive element comprises a ribbon of nanotube material.

20. (Previously Presented): A method of using a circuit cell having a first electrically conductive element, a second electrically conductive element, and a nanotube ribbon disposed between the first and second electrically conductive elements, the method comprising:

applying electrical stimulus to one of the first and second electrically conductive elements and to the nanotube ribbon to move the nanotube ribbon toward at least one of the first and second electrically conductive elements;

sensing electrical signals from at least one the first and second electrically conductive elements and the nanotube ribbon to determine the electrical state of the circuit cell; and

applying electrical stimulus to the other of the first and second electrically conductive elements and to the nanotube ribbon to move the nanotube ribbon away from the one of the first and second electrically conductive elements which it was moved toward.

21. (Original): The method of claim 20 wherein, if the ribbon is moved toward the first electrically conductive element, the electrical state is a first state; if the ribbon is moved toward the second electrically conductive element, the electrical state is a second state; and if the ribbon is between the first and second electrically conductive elements, the electrical state is also in a second state.